**RESEARCH PROPOSAL**

**for admission to XXXVIII Cycle of Politecnico di Bari**

**PhD Programme in**

**ENGINEERING AND AEROSPACE SCIENCES**

*Inter-university course in collaboration with University of Bari “Aldo Moro”*

**(ATTACHMENT E)**

**ATTENTION:** Candidates who intend to propose a research project based on the topics set out in Ministerial Decrees 351/2022 and 352/2022 **must prepare a proposal in line with one or more of the topics listed below.**

**ONLY FOR CANDIDATES WHO INTEND TO PROPOSE A RESEARCH PROJECT BASED ON THE TOPICS SET OUT IN MINISTERIAL DECREES 351/2022 AND 352/2022 🡪** The list below contains the details of each grant financed according to Ministerial Decrees 351/2022 and 352/2022, its area and its topic for the PhD Programme.

**Grants funded according to M.D. 351/2022**:

GRANT N.1 - **Area**: NRRP; **Topic**: “*Storage and transportation of green fuels via viscoelastic materials (GreenGelFuels)*

GRANT N. 2 - **Area**: NRRP; **Topic**: “S*pecification and verification of software systems in the aerospace sector with formal methods*”.

**Grants funded according to M.D. 352/2022**:

GRANT N.3 - **Co-financed by**: Astradyne s.r.l..; **Topic: “***Modelling and design of origami-inspired deployable structures for aerospace applications”*;

GRANT N. 4 - **Co-financed by**: Thales Alenia Space Italia s.p.a.; **Topic: “***Digital Twin of Integrated Photonic Circuits”*.Inizio modulo

**PhD Programme**

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| **PhD Programme in ENGINEERING AND AEROSPACE SCIENCES (XXXVIII Cycle) – Politecnico di Bari** |

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| 1. **PHD RESEARCH PROPOSAL** (TITLE):

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| 1. **PhD Research Proposal Description:**

**Provide a description of the phd research proposal, its subject and its topic. Please, specify the goal(s) to be developed during the PhD programme and indicate the scientific basis of the proposal, its research objective, and methodologies to adopt.****ATTENTION:** Candidates who intend to propose a research project based on the topics set out in Ministerial Decrees 351/2022 and 352/2022 must prepare a proposal in line with one or more of the topics listed below.     | (MAX 9.000 characters): |
| **B. BIBLIOGRAPHY**  |  |
| **C. SURNAME and NAME** |  |